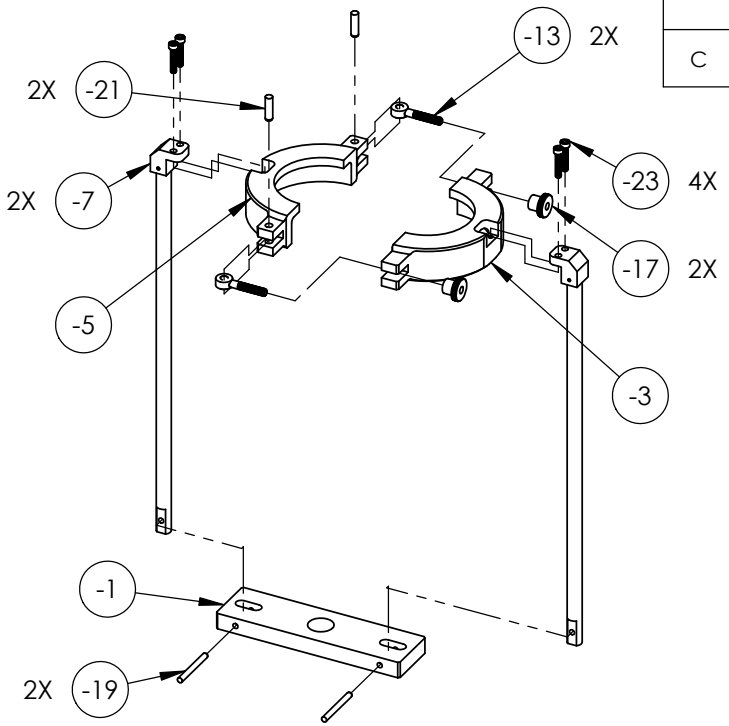
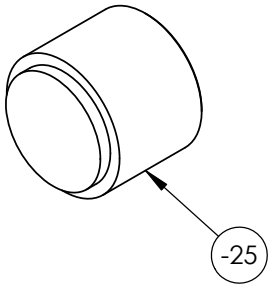
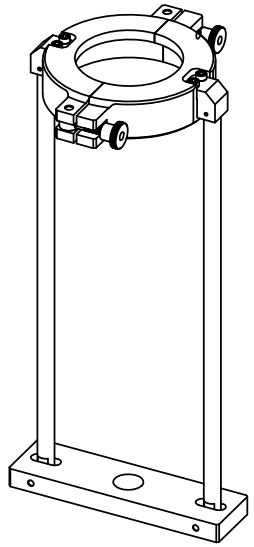
REVISIONS

| REV | ECR | DESCRIPTION | DATE | INITIAL | APPROVED |
|---|---|---|---|---|---|
| 2 | 16-0220 | ADDED NOTE 1 SHEET 1. **-1, -3, -5, -7** ADDED FINISH QMSI-6.2.2, B.O. REV D. **-1, -7** CH'D MATERIAL WAS 1018 IS A36/1018/1020 HR. **-1** CH'D DIM WAS 2X Ø .2362/.2358 THRU ALL IS 2X Ø.2382/.2375 (S.F. -19), WAS 8.650 IS 8.65, WAS 2.360 IS 2.36, WAS .750 IS .75. **-3, -5** CH'D MATERIAL WAS 4140 IS 4140/4142, ADDED HEAT TREAT RC 28-34. -3 CH'D DIM WAS 2X .770 IS 2X .77, ADDED DIM 2X .91, ADDED ENGRAVE NOTE. **-5** CH'D DIM WAS 2X .770 IS 2X .77, ADDED DIM 2X .453 ±.010, 2X .91, ADDED ENGRAVE NOTE. **-7** CH'D DWG. TO SHEET METAL TOLERANCE. **-9** CH'D DIM WAS .129/.125 IS Ø.129/.125 (P.F. -15), WAS Ø.625 +.005/.000 ▽.510 IS Ø.625 +.005/.000 ▽.51 (S.F. -11), WAS .240 IS 2X .240, DELETED DIM .395. **-11** CH'D DIM WAS Ø(.625) IS Ø.63, WAS 1.200 IS 1.20, WAS .600 IS .60, WAS Ø.2391/.2379 THRU ALL IS Ø.2362/.2357 THRU ALL (P.F. -19), ADDED DIM .56 Ø.620/.615 (S.F. -9). | 11/14/2016 | RJC | SM |
| C | 20-109 | SHEET1: BOM ADDED **-25;** ADDED SHEET 8 AND ADDED **-25**; REMOVED BLOCKS FROM SHEET 2 THRU 7. | 23/11/2020 | RF | SAD |



NOTES:
1. REF. EUROCOPTER T/N 1X53 166 817.
2. USED IN KIT RBEA62316

| ASSY QTY | ASSY QTY | B/O | Part # | UNIT QTY | Description | Material | B/O INFORMATION OR SPECIFICATIONS | PG. |
|---|---|---|---|---|---|---|---|---|
| | | | -1 | 1 | BASE PLATE | A36/1018/1020 HR | | 2 |
| | | | -3 | 1 | RING | 4140/4142 | | 3 |
| | | | -5 | 1 | RING 2 | 4140/4142 | | 4 |
| | X | | -7 | 2 | WELDMENT | | | 5 |
| | 1 | | -9 | | ROD TOP | A36/1018/1020 HR | | 6 |
| | 1 | | -11 | | ROD | 1018/1020 CR | | 7 |
| | | B/O | -13 | 2 | ROD END | STEEL | M8 x 1.25 X 50mm (MCMASTER-CARR #3799K13) | 1 |
| | | B/O | -15 | 2 | SPRING PIN | STEEL | Ø1/8 X 7/8 (MCMASTER-CARR #90692A699) | 5 |
| | | B/O | -17 | 2 | KNOB | STEEL | M8 x 1.25 (MCMASTER-CARR #60765K343) | 1 |
| | | B/O | -19 | 2 | DOWEL PIN | STEEL | 6mm X 60mm (MCMASTER-CARR #91595A485) | 1 |
| | | B/O | -21 | 2 | DOWEL PIN | STEEL | 8mm X 30 mm (MCMASTER-CARR #91595A567) | 1 |
| | | B/O | -23 | 4 | SCREW | STEEL | M6 X 1 X 30mm SHCS (MCMASTER-CARR #91290A332) | 1 |
| | | B/O | -25 | 1 | THRUST PIECE | 6061 | Ø3-1/2 X 2-7/8 | 8 |
| | ASSY -7 | | | | | | | |

DART AEROSPACE

TITLE: PULLER

DWG NO. RBE1X53-166-817 REV C

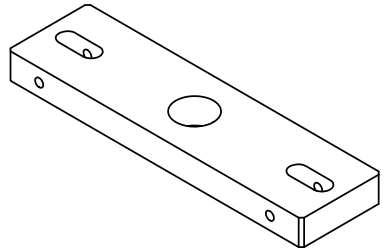
MAT'L
HEAT TREAT
FINISH
SPEC

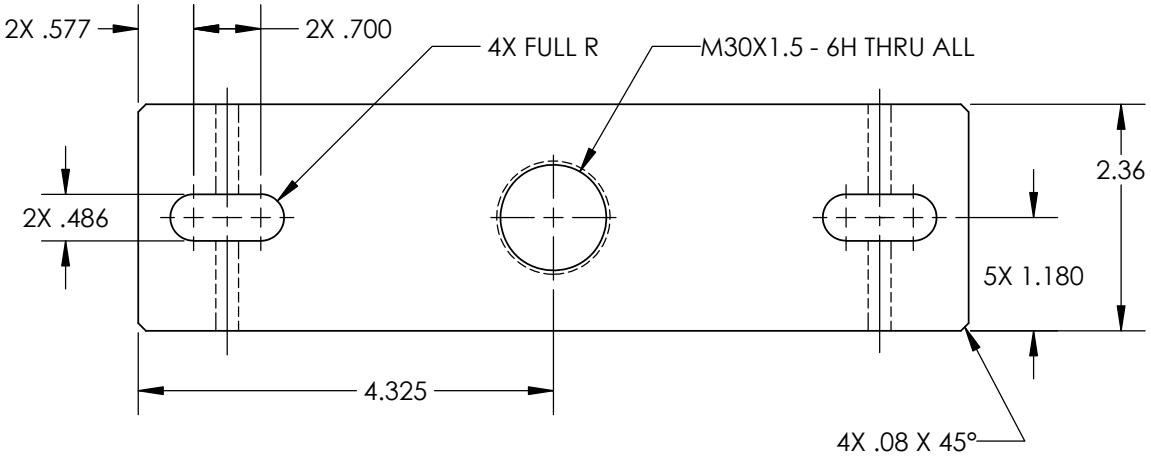
| | |
|---|---|
| DRAWN BY: | RF |
| CHECKED: | SAD |
| OPPS APPR: | DD |
| QA APPR: | N/A |
| APPROVED: | SAD |

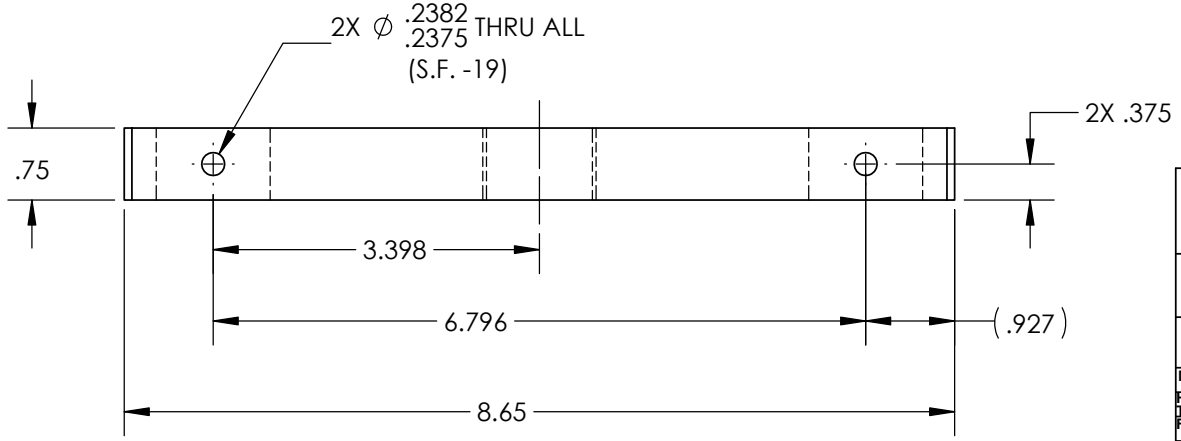
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1 SURFACES = 125
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

USED ON MODEL

SCALE 1:7 DATE 11/22/2020 SHEET 1 OF 8






-1

BASE

DART AEROSPACE

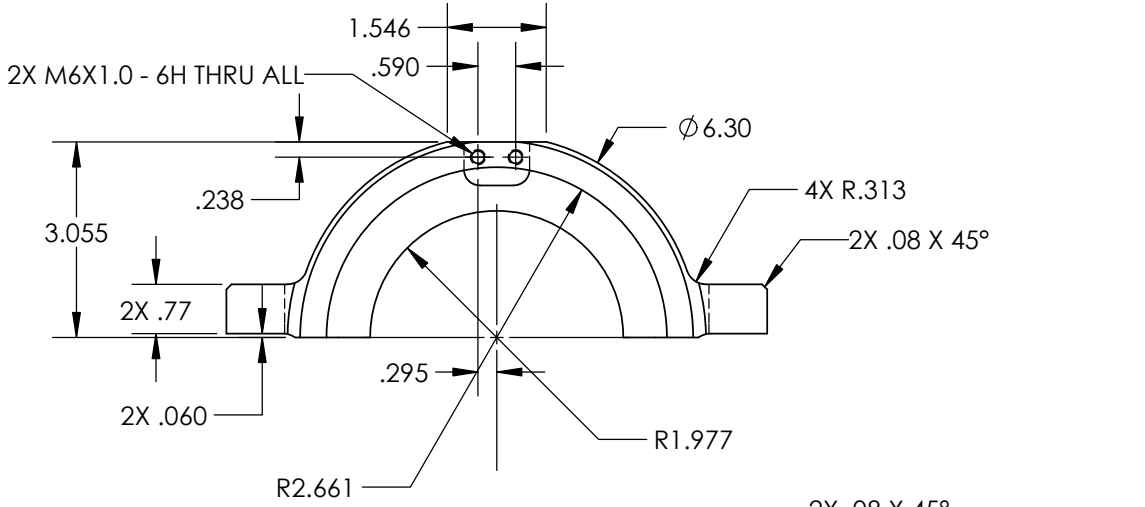
| | |
|---|---|
| TITLE | PULLER |
| DWG NO. | RBE1X53-166-817-1 |
| REV | C |
| MAT'L | A36/1018/1020 HR |
| HEAT TREAT | |
| FINISH | BLACK OXIDE |
| SPEC | QMSI-6.2.2, B.O. REV D |
| DRAWN BY: | RF |
| CHECKED: | SAD |
| OPPS APPR: | DD |
| QA APPR: | N/A |
| APPROVED: | SAD |

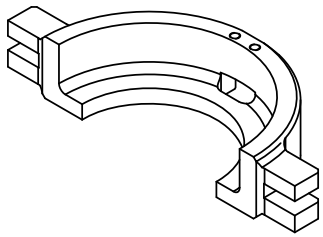
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1 SURFACES = 125√

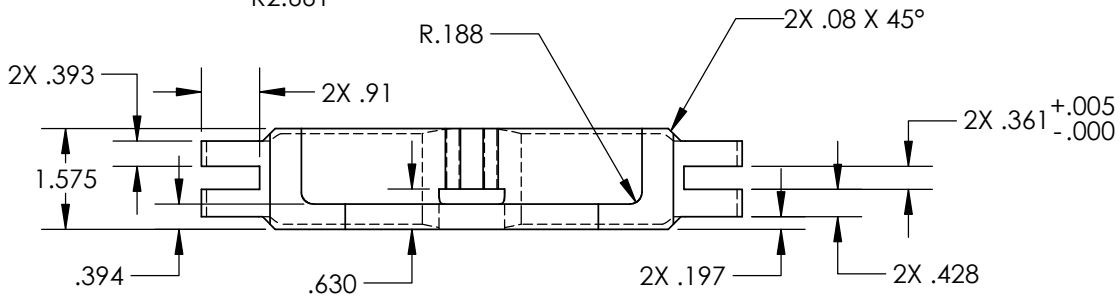
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

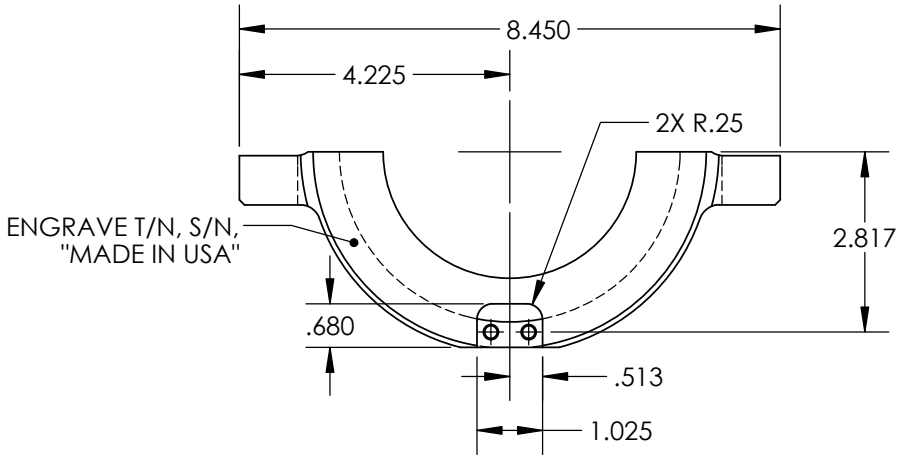
USED ON MODEL: EC135

| | | | |
|---|---|---|---|
| SCALE | 1:8 | DATE | 11/22/2020 |






-3

RING

DART AEROSPACE

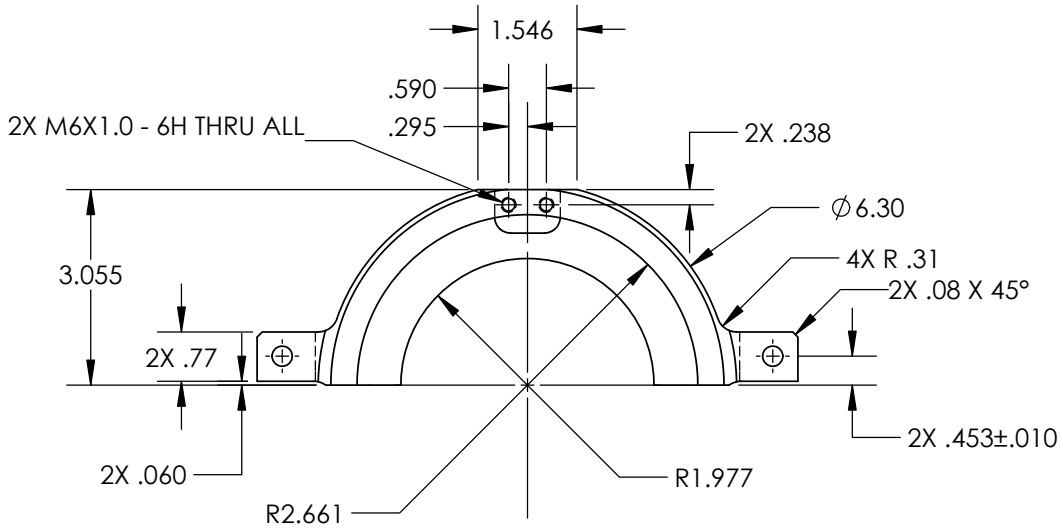
| | |
|---|---|
| TITLE | PULLER |
| DWG NO. | RBE1X53-166-817-3 |
| REV | C |
| MAT'L | 4140/4142 |
| HEAT TREAT | RC 28-34 |
| FINISH | BLACK OXIDE |
| SPEC | QMSI-6.2.2, B.O. REV D |
| DRAWN BY: | RF |
| CHECKED: | SAD |
| OPPS APPR: | DD |
| QA APPR: | N/A |
| APPROVED: | SAD |

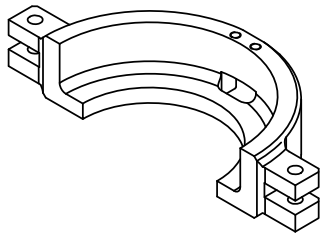
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1 SURFACES = 125 √

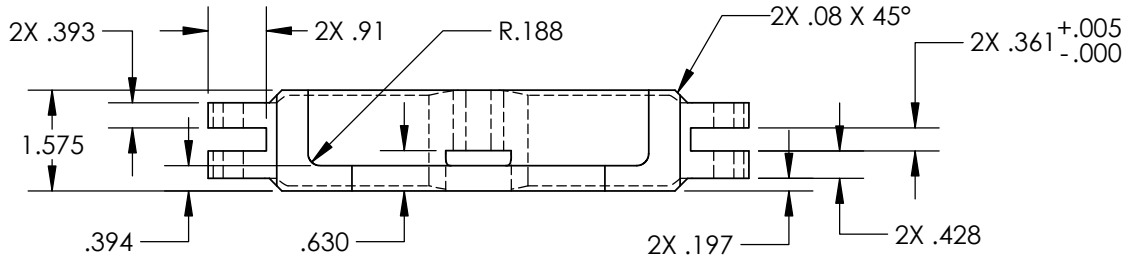
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

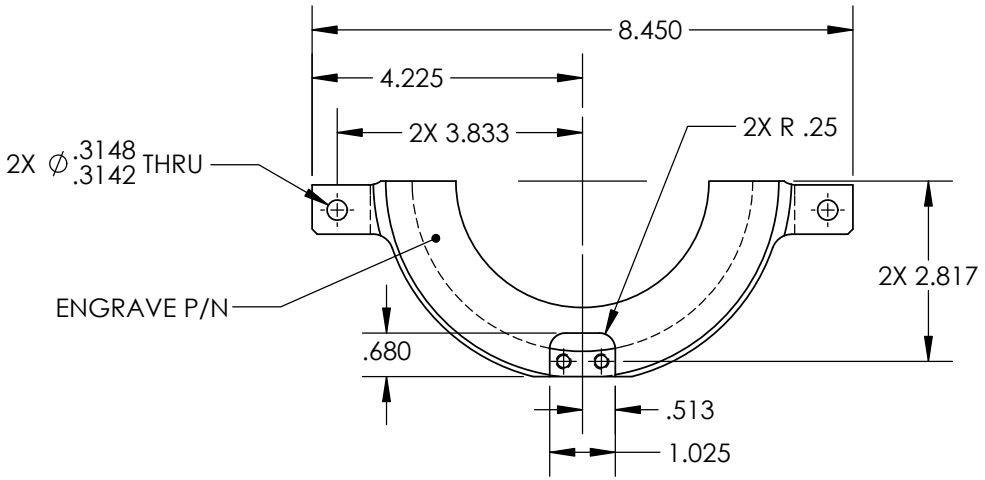
USED ON MODEL: EC135

| | | | |
|---|---|---|---|
| SCALE | 1:3 | DATE | 11/22/2020 |
| SHEET 3 OF 8 | | | |






(-5)

RING2

DART AEROSPACE

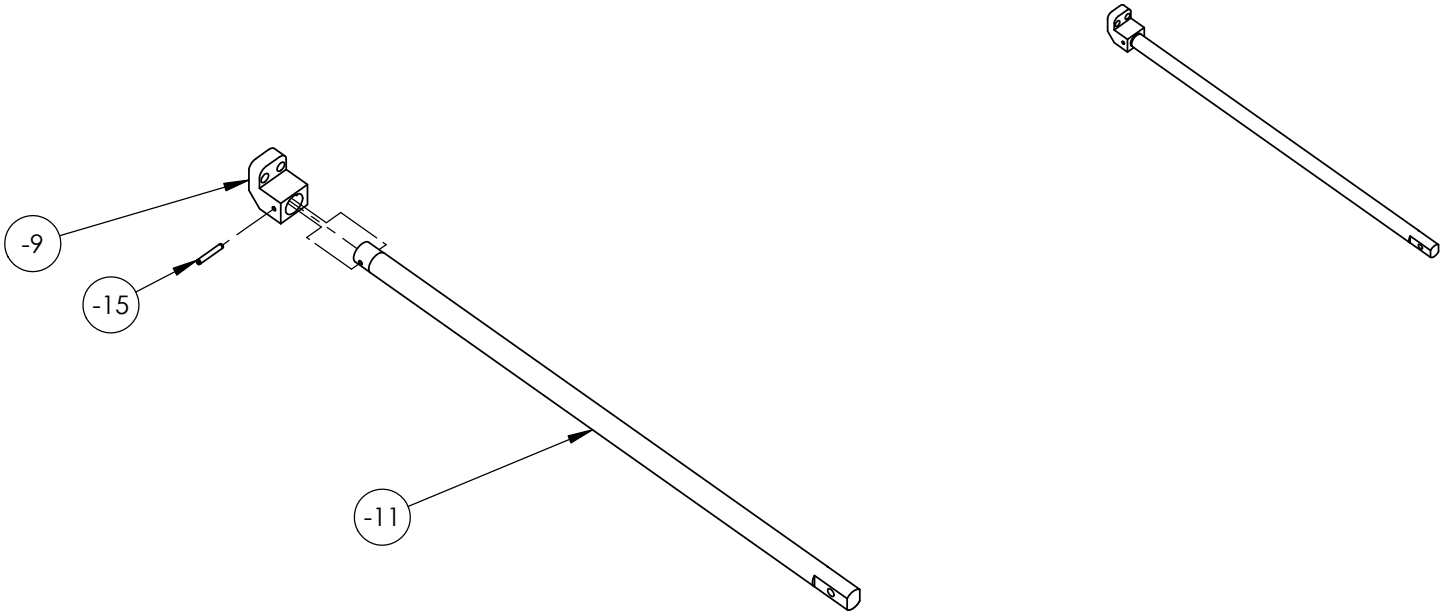
| | |
|---|---|
| TITLE | PULLER |
| DWG NO. | RBE1X53-166-817-5 |
| REV | C |
| MAT'L | 4140/4142 |
| HEAT TREAT | RC 28-34 |
| FINISH | BLACK OXIDE |
| SPEC | QMSI-6.2.2, B.O. REV D |
| DRAWN BY: | RF |
| CHECKED: | SAD |
| OPPS APPR: | DD |
| QA APPR: | N/A |
| APPROVED: | SAD |

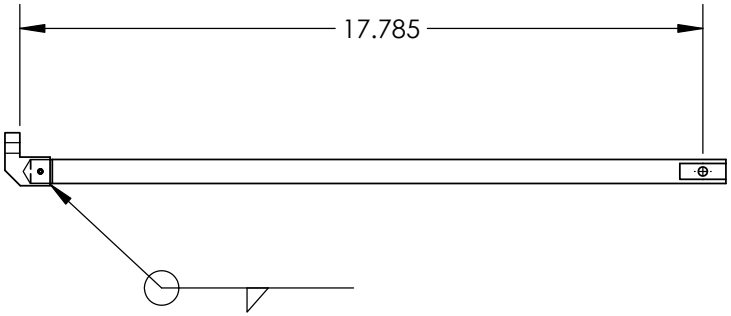
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1 SURFACES = 125√

1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

USED ON MODEL
EC135

| | | | |
|---|---|---|---|
| SCALE | 1:3 | DATE | 11/22/2020 |
| SHEET 4 OF 8 | | | |




-7

WELDMENT

NOTE:
INSERT -15 SPRING PIN THEN WELD.

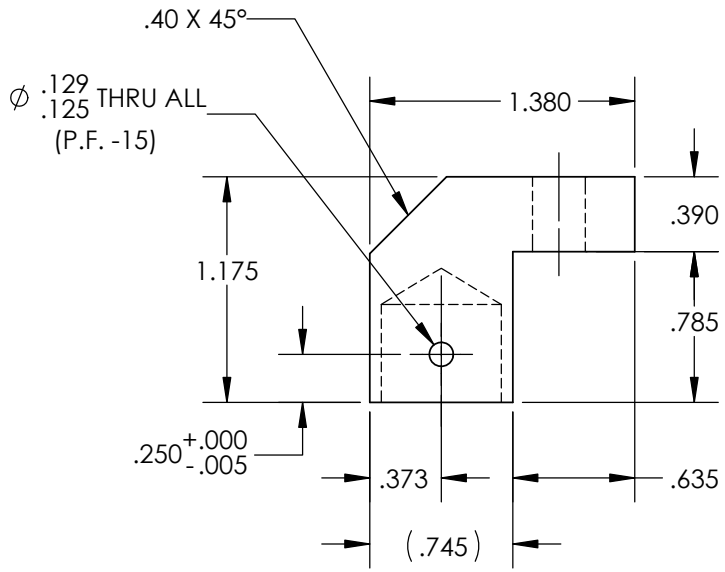
DART AEROSPACE

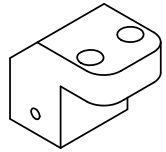
| | |
|---|---|
| TITLE | PULLER |
| DWG NO. | RBE1X53-166-817-7 |
| REV. | C |
| MAT'L | |
| HEAT TREAT | |
| FINISH | BLACK OXIDE |
| SPEC | QMSI-6.2.2, B.O. REV D |
| DRAWN BY: | RF |
| CHECKED: | SAD |
| OPPS APPR: | DD |
| QA APPR: | N/A |
| APPROVED: | SAD |
| SCALE | 1:5 |
| DATE | 11/22/2020 |
| SHEET | 5 OF 8 |

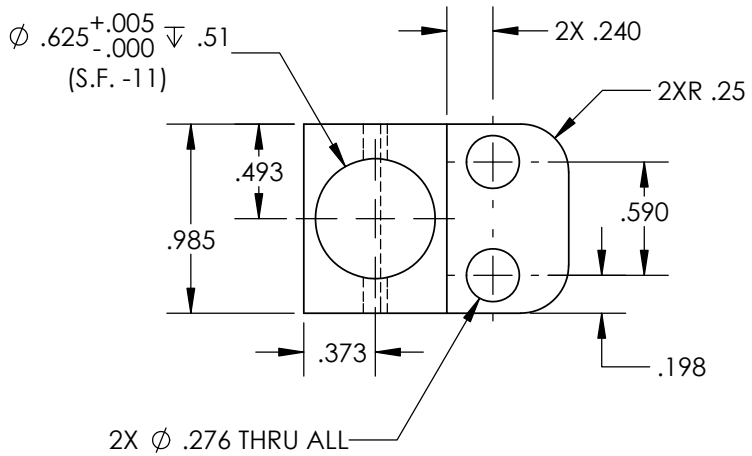
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .010 FRACTIONS ± 1/8
.XX ± .03 ANGLES ±1°
.X ± .1 SURFACES = 125

1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

USED ON MODEL
EC135






(-9)

ROD TOP

DART AEROSPACE

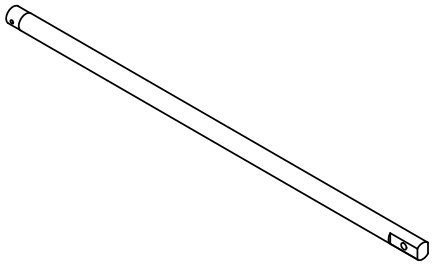
| | |
|---|---|
| TITLE | PULLER |
| DWG NO. | RBE1X53-166-817-9 |
| REV | C |
| MAT'L | A36/1018/1020 HR |
| HEAT TREAT | |
| FINISH | SEE -7 |
| SPEC | |
| DRAWN BY: | RF |
| CHECKED: | SAD |
| OPPS APPR: | DD |
| QA APPR: | N/A |
| APPROVED: | SAD |

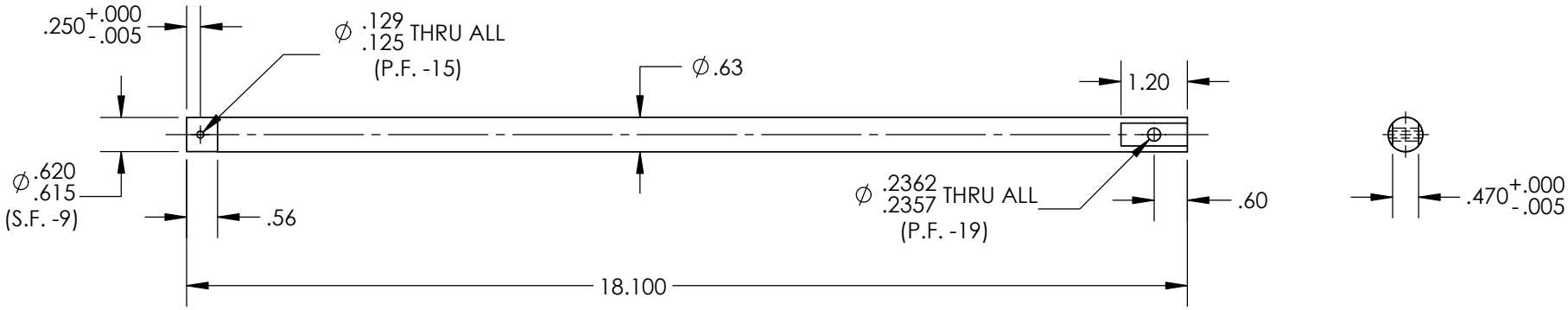
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1 SURFACES = 125

1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

USED ON MODEL: EC135

| | | | |
|---|---|---|---|
| SCALE | 1:1 | DATE | 11/22/2020 |






-11

ROD

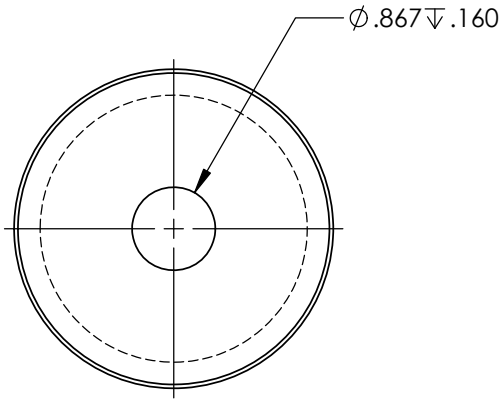
DART AEROSPACE

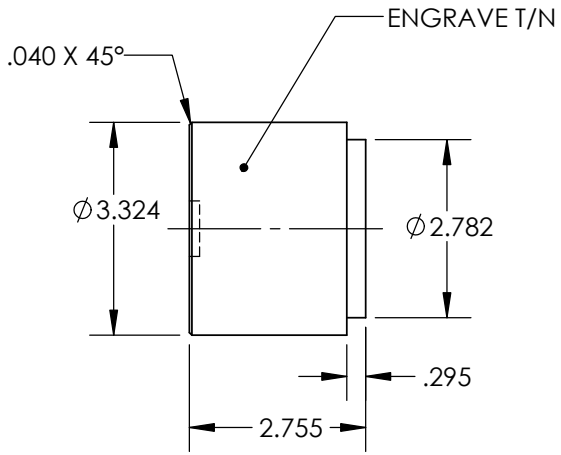
| | |
|---|---|
| TITLE | PULLER |
| DWG NO. | RBE1X53-166-817-11 |
| REV | C |
| MAT'L | 1018/1020 CR |
| HEAT TREAT | |
| FINISH | SEE -7 |
| SPEC | |
| DRAWN BY: | RF |
| CHECKED: | SAD |
| OPPS APPR: | DD |
| QA APPR: | N/A |
| APPROVED: | SAD |
| SCALE | 1:3 |
| DATE | 11/22/2020 |
| SHEET | 7 OF 8 |

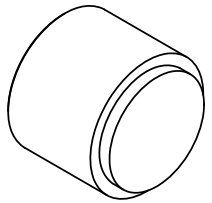
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1 SURFACES = 125√

1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

USED ON MODEL
EC135



-25

THRUST PIECE

DART AEROSPACE

| | |
|---|---|
| TITLE | PULLER |
| DWG NO. | RBE1X53-166-817-25 |
| REV | C |
| MAT'L | 6061-T6 |
| HEAT TREAT | |
| FINISH | CLEAR ANODIZE |
| SPEC | MIL-A-8625F, TYPE II, CLASS I |
| DRAWN BY: | RF |
| CHECKED: | SAD |
| OPPS APPR: | DD |
| QA APPR: | N/A |
| APPROVED: | SAD |

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1 SURFACES = 125√

1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009

USED ON MODEL: EC135

| | | | |
|---|---|---|---|
| SCALE | 1:3 | DATE 11/22/2020 | SHEET 8 OF 8 |